MEITRACK® Fuel Sensor

User Guide

Applicable Model：MVT600/T1/T3

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Content

1. Copyright and Disclaimer 3
2. Product Function and Specification 3
    2.1 Product Function 3
    2.2 Specification 3
3. Main Device and Accessories 3
4. Outward Appearance 4
5. First Use 4
    5.1 Physical Installation 4
    5.2 Connection Terminal 4
6. Occupied Resource 5
    6.1 Occupied Resource 5
    6.2 Applicable Versions 5
7. The process for adding platform 5
    8.1 History Data Query Statement 6
    8.2 Sensor Query Statement 7

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2. Product Function and Specification

2.1 Product Function

- To measure the amount of gasoline in the vehicle
- Send alert upon the amount of gasoline whether it is too high or too low

Note：Sensor must be connected to the device's AD2 port, otherwise, in such AD1, the reading will not be in percentage.

2.2 Specification

Item	Description
Sensor Length	374mm
Weight	400g
Diameter	16mm
Output Signal	4 ~ 20mA，0 ~ 5V
Power Supply	DC12V ~ 40V
Ambient Temperature	-40℃ ~ 70℃
Measurement Accuracy	±0.5 level
Packaging Materials	Stainless steel pipe
Detection Range	10~1000mm

3. Main Device and Accessories

- V-Fuel Sensor (Resistive Detection)
- V-Fuel Sensor (Capacitive Detection)

4. Outward Appearance

5. First Use

5.1 Physical Installation

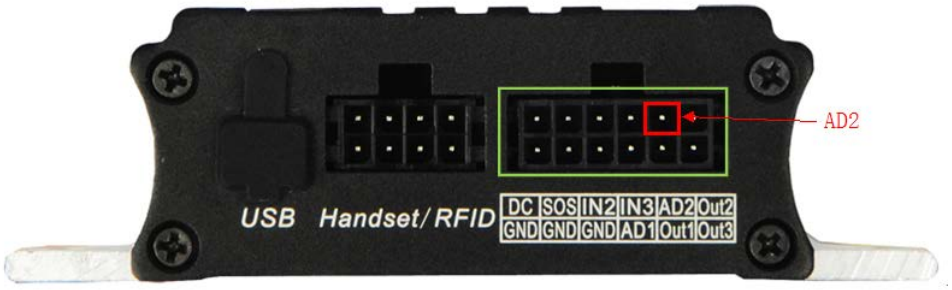
❍ The tip of the sensor must face downward toward the bottom of the tank

5.2 Connection Terminal

❍ Locate the fuel sensor designated terminal

MVT600 dedicated AD2 interface is as follow：

T1 dedicated AD2 interface is as follow:



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6. Occupied Resource

6.1 Occupied Resource

- T1: AD2
- MVT600:AD2

Note: No hardware modifications were needed to use the fuel sensor, designed to interface through reserved port

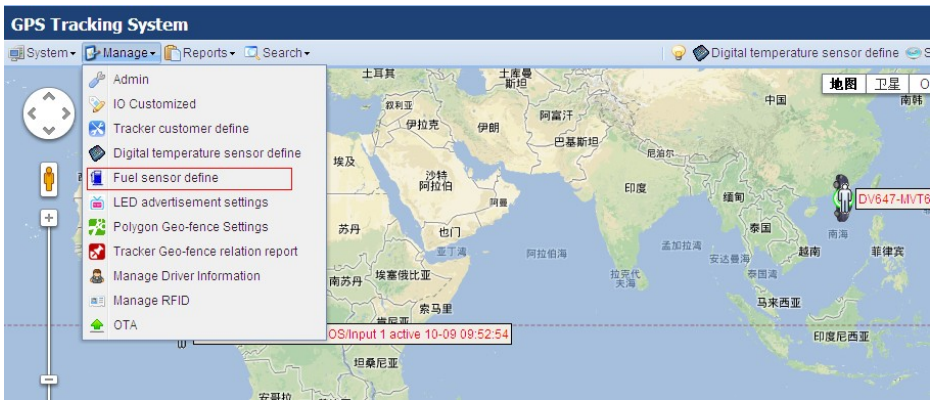
6.2 Applicable Versions

Model	Software Version	Hardware Version	Note
MVT600	MVT600_FW6.11D	V2.6 and above	With AD2, MVT600 will give measure reading in percentage, while with AD1, formula have to be applied in order to read the measurements in the platform
T1-RFID	T1RFID_FW1.21D	V1.8 and above	With AD2, MVT600 will give measure reading in percentage, while with AD1, formula have to be applied in order to read the measurements in the platform

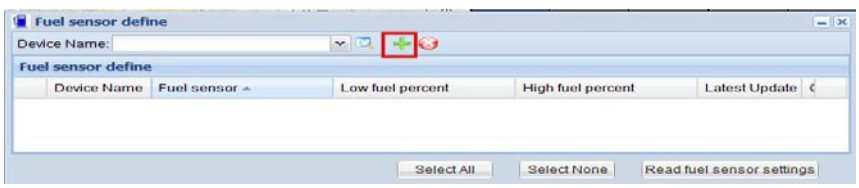
7. The process for adding platform

1. First, add T1 or MVT600 onto the platform, then connect the fuel sensor to AD2 port.

2. Log onto the platform, click Manage, drop down “fuel sensor define”



3. Fuel sensor setting, click on the “+” Add button, select the device name, fuel sensor type and gasoline “Low” and “High percentage”. No formulas are needed.



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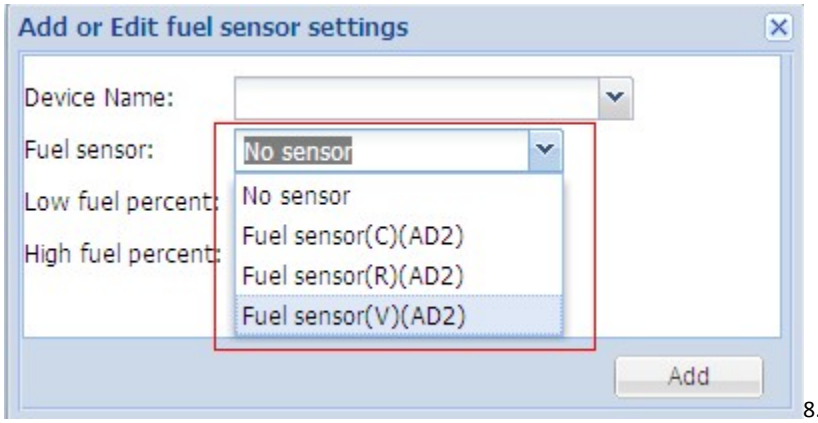
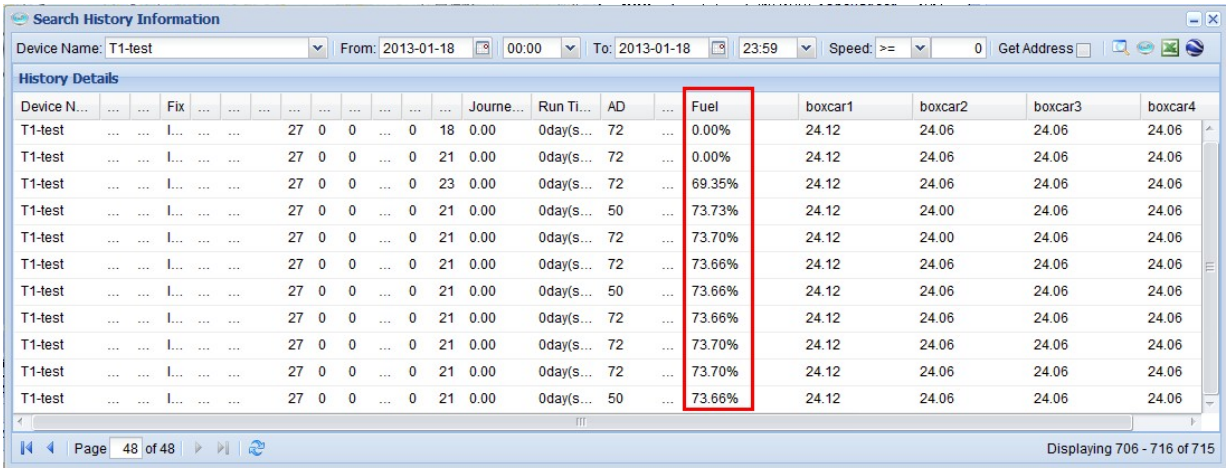
4. The following diagram shows the type of fuel sensor: C-type (Capacitor), R-type (Resistor) and V-type (voltage value), “No sensor” no sensor is being used. (Both C-type and R-type are reserved, the above 2 types of gasoline sensor are V-Type)



8. Query Statement

8.1 History Data Query Statement

Log onto the MS02 platform, click “Reports”, “History Report”, select search range, and then click on “search” icon.



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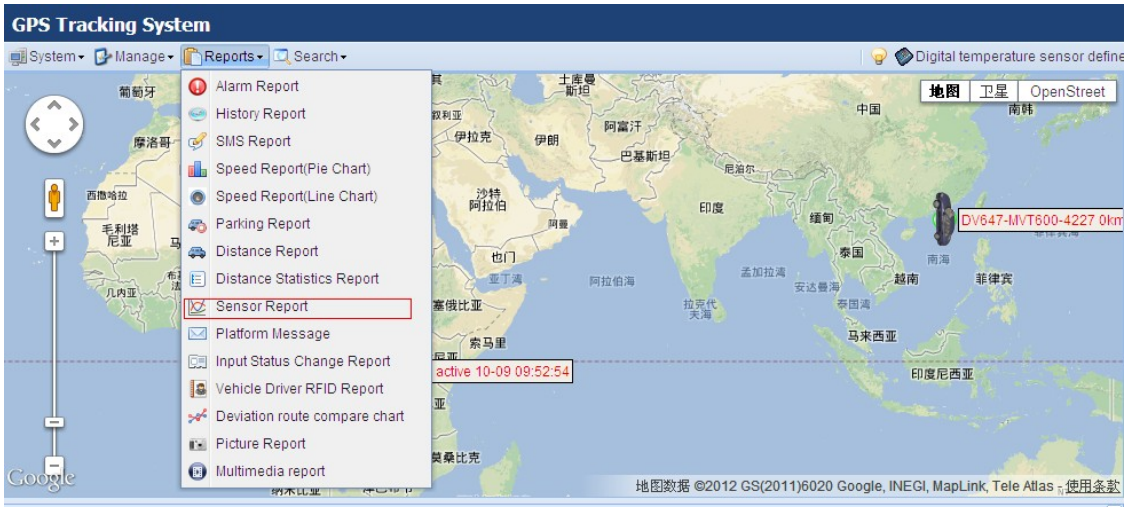
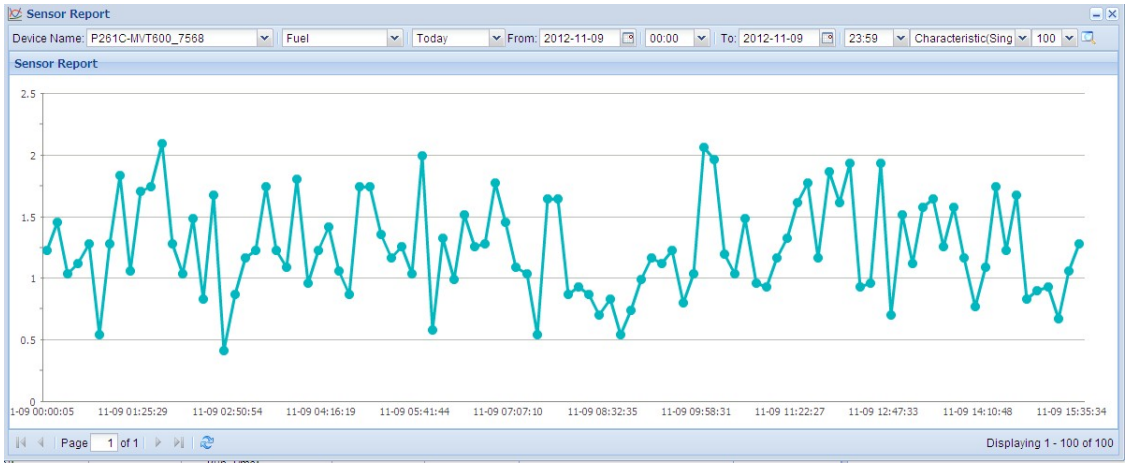
8.2 Sensor Query Statement

1. Click on “Reports”, then “Sensor Report” as follow



2. Select the appropriate device name and sensor type, time range, then click on the “search” button to get the gasoline chart.



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